IN THE CLAIMS

Please replace all prior versions, and listings, of claims in the application with the following list of claims. Additions are indicated by underlining and deletions are indicated by strikeouts and/or double bracketing.

1. (Original) A method comprising:

forming at least one waveguide, and a cladding contacting the waveguide, each from a common prepolymer, the waveguide and cladding having a refractive index difference.

2. (Original) A method as in claim 1, involving exposing a portion of the common prepolymer to a first amount of polymerizing energy to form the at least one waveguide and exposing a second amount of a common prepolymer to a second amount of polymerizing energy to form the cladding.

3. (Original) A method as in claim 2, wherein the polymerizing energy is electromagnetic radiation.

4. (Original) A method as in claim 1, comprising:

curing an array of at least two essentially parallel lines of a fluid prepolymer to a first extent to form at least two essentially parallel lines of polymeric material cured to a first extent;

contacting the at least two lines of cured polymeric material with a portion of the fluid prepolymer and curing the portion to a second extent to form a portion of the polymeric material cured to the second extent contacting the lines of polymeric material cured to the first extent.

5. (Currently Amended) A method comprising:

forming a waveguide and cladding, the waveguide and cladding each being formed of a polymeric material; and

altering a refractive index ratio between ~~a~~ the waveguide and cladding.

6. (Cancelled)

7. (Original) A method as in claim 5, the waveguide and cladding each defining a polymeric material formed from a common prepolymeric material.

8. (Original) A method as in claim 5, the altering step involving curing the waveguide and cladding, together, after formation.

9-11. (Cancelled)